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	U.S. PATENT DOCUMENTS							
Examiner	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
inidats *		Number - Kind Code ² (# known)						
23	Α	US-2003/233837-A1-	12/25/2003	LEE et al.	Figures Appear 2003/023363-			
	В	US- 6516622 B1 ·	02/11/2003	WILSON et al.				
	С	US- 5797729 A	08/25/1998	RAFUSE, JR. et al.				
	D	US- 5231846 A	08/03/1993	GOSHAW et al.				
	E	US- 5131237 A	07/21/1992	VALBJORN et al.				
V	F	US- 4876859 A	10/31/1989	KITAMOTO et al.				
	G	US						
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	J	US-			•			
	K	US-		•				
	L	US-						
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Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	7*
Initials*	No.	Country Code ³ - Number ⁴ - Kind Code ⁶ (<i>if known</i>)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
5	1	WO 03/073025 A1	09/04/2003	KYLMAEHERTSI OY et al.		
	2	EP 0543622 A2	05/26/1993	Sanyo Electric Co.		
	3	EP 0521551 A1	01/07/1993	ARNEG S.P.A.		
	4	EP 0412474 A2	02/13/1991	Unde Aktiengesellschaft		_
V	5	DE 3832037 A1	03/22/1990	Kriwan Industrie- Elektronik GMBH		
				1		

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